

## **Xiaoyu Li, Ph.D.**

Associate Professor

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### **Educational Background**

**Ph.D.**, Landscape Ecology, Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences, Lanzhou, Gansu Province

**M.S.**, Turf Management, Pratacultural College, Gansu Agricultural University, Lanzhou

**B.S.**, Water and Soil Conservation, College of Forestry, Gansu Agricultural University, Lanzhou

### **Research Focus**

My efforts are focused on land use changes and their effects on water quality and soil contamination, particularly as related to urbanization regions.

### **Research Grants**

- (1) Modeling the effects of landscape pattern changes on water quality at watershed scale (No. 40971272), National Natural Science Foundation of China, RMB 450,000Yuan, 2010-2012.
- (2) Modeling the process of salt accumulation affected by development of land and water resources in lower reaches of inland river watershed (No. 40501068), National Natural Science Foundation of China, RMB 300,000Yuan, 2006-2008.
- (3) Environmental impacts of urbanization process in centre-southern Liaoning, China (06LYQYA001), the Knowledge Innovation Program of Institute of Applied Ecology, Chinese Academy of Sciences, RMB 260,000, 2007-2009.
- (4) Ecological security pattern design of coastal urban regions in Liaoning Province (Grant No. KZCX2-YW-342). the Knowledge Innovation Program of the Chinese Academy of Sciences, RMB 350,000, 2008-2011.

### **Selected Publications**

- [1] Xiaoyu Li, Duning Xiao, Xingyuan He, Wei Chen. Identifying and assessing the driving forces on farmland changes in Arid Region. *Frontiers in Ecology and the Environment*. 2007, 5(3): 139-144.
- [2] Xiaoyu Li, Duning Xiao, Xingyuan He, Wei Chen. Evaluation of landscape changes and ecological degradation by GIS in arid regions. *Environmental Geology*. 2007, 52: 947-956.

- [3] Xiaoyu Li, Xiao Duning, He Xingyuan, Chen Wei. Dynamics of typical agricultural landscape and its relationship with water resource in inland Shiyang river watershed. *Environmental Monitoring and Assessment*. 2006, 123: 199-217.
- [4] Duning Xiao, Xiaoyu Li\*, Dongmei Song, Guojing Yang. Temporal and spatial dynamical simulation of groundwater characteristics in Minqin oasis. *Science in China, Series D*. 2007, 25(2):261-273. (\*Corresponding author)
- [6] Shanzhong Qi, Xiaoyu Li\*. Oasis Land-use Change and its Environmental Impact in Jinta Oasis, Arid Northwestern China. *Environmental Monitoring and Assessment*. 2007, 134: 313-320. (\*Corresponding author).
- [7] Yugang Wang, Duning Xiao, Yan Li, Xiaoyu Li. Soil salinity evolution and its relationship with dynamics of groundwater in the oasis of inland river basins a case study from the Fubei region of Xinjiang Province, China. *Environmental Monitoring and Assessment*. 2008, 140: 291-302.
- [8] Houjun Wang, Xiaoyu Li, Xingyuan He, Wei Chen. Analysis of urban spatial expansion processes of Shenyang City during 1979 to 2006. *Chinese Journal of Applied Ecology*, 2008, 19(12): 2673-2679.
- [9] Houjun Wang, Xiaoyu Li, Xingyuan He, Wei Chen. Research of the hierarchical structure of urban system in center multi-cities of Liaoning. *Chinese Journal of Ecology*, 2009, 28(3): 490-496.
- [10] Jianbo Hu, Xiaoyu Li, Xingyuan He, Wei Chen. Cityscape pattern of Shenyang based on QuickBird image and GIS. *Chinese Journal of Ecology*, 2008, 27(5):809-815.